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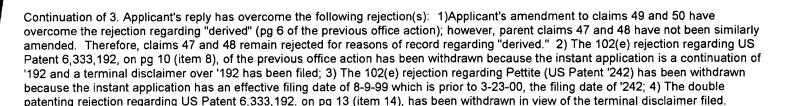


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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/757,054	01/08/2001	James N. Petitte	297/93/2	7757.
25297	7590 12/11/2002			
JENKINS & WILSON, PA			EXAMINER	
3100 TOWER		WILSON, MICHAEL C		
SUITE 1400			WIEGOIN, III	
DURHAM, NC 27707			ART UNIT	PAPER NUMBER
			1632	11
			DATE MAILED: 12/11/2002	: '\\
				Ϊ,

Please find below and/or attached an Office communication concerning this application or proceeding.

<i>p</i>	Application No.	Applicant(s)			
Advisory Action	09/757,054	PETITTE ET AL.			
Advisory Action	Examiner	Art Unit			
	Michael C. Wilson	1632			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address					
THE REPLY FILED 27 November 2002 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.					
PERIOD FOR RE	PLY [check either a) or b)]				
a) The period for reply expiresmonths from the mailing of					
b) The period for reply expires on: (1) the mailing date of this Adv event, however, will the statutory period for reply expire later th ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f).	an SIX MONTHS from the mailing date o	f the final rejection.			
Extensions of time may be obtained under 37 CFR 1.136(a). The data have been filed is the date for purposes of determining the period of extens of CFR 1.17(a) is calculated from: (1) the expiration date of the shortened by above, if checked. Any reply received by the Office later than three most partner adjustment. See 37 CFR 1.704(b).	sion and the corresponding amount of the I statutory period for reply originally set in	e fee. The appropriate extension fee under the final Office action; or (2) as set forth in			
1. A Notice of Appeal was filed on <u>27 November 2002</u> . Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.					
The proposed amendment(s) will not be entered b	ecause:				
(a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);					
(b) ☐ they raise the issue of new matter (see Note below);					
(c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or					
(d) they present additional claims without cancel NOTE:	ling a corresponding number of	finally rejected claims.			
3. Applicant's reply has overcome the following reject	tion(s): See Continuation Sheet.				
4. Newly proposed or amended claim(s) would canceling the non-allowable claim(s).	l be allowable if submitted in a s	separate, timely filed amendment			
5.⊠ The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.					
6. The affidavit or exhibit will NOT be considered be raised by the Examiner in the final rejection.	cause it is not directed SOLELY	to issues which were newly			
7. For purposes of Appeal, the proposed amendmen explanation of how the new or amended claims w					
The status of the claim(s) is (or will be) as follows:					
Claim(s) allowed:		`			
Claim(s) objected to:					
Claim(s) rejected: 44-54.					
Claim(s) withdrawn from consideration:					
☐ The proposed drawing correction filed on is a) ☐ approved or b) ☐ disapproved by the Examiner.					
9. Note the attached Information Disclosure Stateme	ent(s)(PTO-1449) Paper No(s).				
10.⊠ Other: <u>See Continuation Sheet</u>		Aldrina			
	MICHAEL G.W PATENT EXAM				



Continuation of 5, does NOT place the application in condition for allowance because: Applicants argue claim 44 has support on pg 11, lines 11-12. Applicants argument is not persuasive. While pg 11, lines 11-12, states the culture of the invention may include a feeder matrix, and lines 16-23 states the feeder cells may be "preconditioned," the citations do not contemplate combining PGCs and stromal cells collected from an embryo after stage 14 with the "preconditioned feeder matrix." While pg 10, line 17, suggests isolating avian cells having an ES cell phenotype "from avian gonadal cells comprising primordial germ cells collected from an avian embryo," the citation does not suggest combining avian stromal cells collected from an embryo with the PGCs or that the embryo was later than stage 14. While pg 10, line 6, states embryos from which cell are obtained are preferably after stage 14, the citation does not state both the PGCs and stromal cells are isolated from an embyro after stage 14. While pg 10, lines 14-16, states "embryonic gonadal PGCs and stromal cells may be collected from the embryonic gonads," the citation does not support the breadth of combining any avian PGCs and avian stromal cells isolated from an avian embryo. The citation on pg 10, line 14, is limited to isolating cells from "the embryonic gonads," not isolating cells from anywhere in the embryo as broadly encompassed in claim 44. In addition, the citation on pg 10, line 14, is limited to collecting "gonadal PGCs and stromal cells," not any "PGCs" as broadly encompassed in claim 44. Pg 11, lines 3-10, does not teach stromal cells are genital ridge cells. While pg 11, line 13-15, supports a feeder matrix derived from the gonad, the citation does not suggest the matrix is preconditioned when derived from the gonad or that the cells isolated are "gonadal" (claim 47) Gonadal cells have a different scope than cells of the gonad because "gonadal cells" may be limited to cells having gonadal function while cells derived from the gonad can be cells that provide gonadal function as well as structural cells that do not provide gonadal function. Pg 11, lines 13-15, and pg 19, lines 14-16, do not suggest isolating feeder matrix from the "genital ridge" (claim 48). Pg 10, lines 1-9, and pg 11, lines 13-15, do not contemplate the feeder matrix isolated from "gonadal cells" or "genital ridge" is after stage 14 (claims 49-50). Pg 14-, lines 4-7, does not contemplate the ES cell phenotype is sustained for at least one or two months (claims 53-54). Instead it contemplates culturing PGCs that develop into cells having an ES phenotype and that the culture is sustained for one or two months. The citation is not limited to maintaining the ES cell phenotype for one or two months and does not teach culturing cells after they have the ES cell phenotype. The claims remain rejected for reasons of record under 112/1st, new matter.

Applicants argue Example 4 and pg 14, lines 45, enable cultures of PGCs and feed cells sustained for one or two months (claims 53-54). Applicants arugement is not persuasive. Example 1 merely teaches isolating gonadal PGCs and stromal cells. The cells were not sustained for one or two months. Example 2 merely teaches culturing gonadal PGCs and STO feeder cells for 3-5 days. Example 3 merely teaches culturing gonadal PGCs and preconditioned STO feeder cells for two days. Example 4 merely teaches culturing gonadal PGCs and different concentrations of STO feeder cells for two days. The claims remain rejected for reasons of record under 112/1st, enablement.

Applicants arguments regarding 112/2nd have been considered and are not persuasive. The claims remain rejected for reasons of record under 112/2nd

Applicants argument regarding Allioli is not persuasive because the claim merely requires the PGCs have an "ES cells phenotype." The definition of "germ cell" provided is over limiting as "germ cells" are "a gamete or one of its antecedent cells (Merriam-Webster; http://www.m-w.com/cgi-bin/dictionary?book=Dictionary&va=germ+cell). The claims remain rejected for reasons of record over Allioli under 102

Applicants arguments regarding Chang, Pettite (US Patent '740, '479 and '510) and Ponce de Leon (US Patent '569) have been considered but are not persuasive. The claims remain rejected for reasons of record over Chang, Pettite (US Patent '740, '479 and '510) and Ponce de Leon (US Patent '569) under 102.

Continuation of 10. Other: The terminal disclaimer filed 11-27-02, paper number 13, over US Patent 6,333,192 has been entered...